

10/521507

Rec'd PCT TO 18 JAN 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
WO 2004/010593 A3

(51) International Patent Classification⁷: G06F 15/16

(21) International Application Number:
PCT/US2003/023642

(22) International Filing Date: 18 July 2003 (18.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/397,402 19 July 2002 (19.07.2002) US

(71) Applicant (for all designated States except US):
M-QUBE, INC. [US/US]; 360 Newbury Street, 7th Floor, Boston, MA 02115 (US).

(72) Inventors; and
(75) Inventors/Applicants (for US only): HEWES, Gerald

[US/US]; 43 Follen Road, Lexington, MA (US). HWANG, Boon [CA/US]; 22215 NE 85th Street, Redmond, WA 98053 (US). NANDIWADA, Srinivasarao [IN/US]; 15 Alfred Road, Apt. E, Milford, MA-01757 (US). PRIYADARSHAN, Eswar [US/US]; 39 Cricket Lane, West Roxbury, MA 02132 (US).

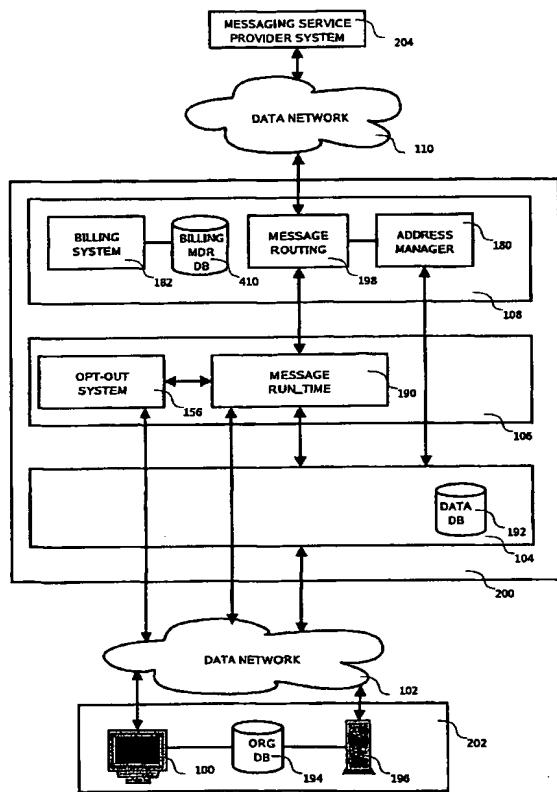
(74) Agents: SAMUEL, Richard et al.; Goodwin Procter LLP, 7 Becker Farm Road, Roseland, NJ 07068 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: INTEGRATED INTERACTIVE MESSAGING SYSTEM AND METHOD



(57) Abstract: Disclosed is a system and method for organizations to develop, test, execute and analyze messaging programs defining a message application server comprising (a) a dialog designer (104) configured to provide a user interface to allow rapid program creation, to schedule programs for execution, to upload messaging user data into lists, to download program result data, to test programs, to provide reports on messaging programs, (b) a dialog server (106) configured to execute messaging programs to manage simultaneous programs to store messaging user results and message delivery status, to maintain state and session context across message invocations for messaging users within a messaging program, and (c) a message exchange (108) configured to route messages to and from messaging service providers, to manage service addresses, to perform message billing and connected to messaging service providers, whereby organizations can execute messaging programs with messaging users by means for said messaging service.

WO 2004/010593 A3



Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
22 April 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/23642

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 15/16
US CL : 709/206, 238

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 709/202, 204, 206, 207, 227, 238; 703/21, 22; 345/733, 738, 739; 705/32; 717/100, 101, 120, 121, 124, 127

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,205471 B1 (GILCHRIST et al.) 20 MARCH 2001 Abstract, Column 2, Line 11 through Column 3, Line 35. Column 5, Line 25 through Column 7, Line 6, Column 17, Line 8 through Column 19, Line 49	1-8, 11-31, 35-44
Y	US 6,336,138 B1 (CASWELL et al.) 01 JANUARY 2002 Abstract, Column 3, Line 33 through Column 5, Line 4, Column 17, Line 64 through Column 18, Line 56	1-8, 11-31, 35-44

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
*	Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

27 February 2004 (27.02.2004)

Date of mailing of the international search report

03 MAR 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450

Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Mitchell L. Sall
Marc D. Thompson

Telephone No. 703-305-3900

INTERNATIONAL SEARCH REPORT

PCT/US03/23642

Continuation of B. FIELDS SEARCHED Item 3:

USPAT, USPGPUB, IEEE, ACM

Terms: email, modular network application construction, server application development, GUI, multi carrier/organization, state, session, messaging opt-out, message billing, POP/SMTP/SMPP/SMS/EMS/MMS/WAP/SOAP, emulating/simulating/monitoring/managing messaging network application performance/construction/scheduling